

Missouri Gypsy Moth Survey Report 2002

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2002 Survey Results

A total of four (4) moths were reported from around the state (Fig. 1). Moths were taken in four (4) positive traps from two counties. Of the moths captured, three were from St. Louis County (singles); one was captured in St. Charles County.

Approximately 11,400 pheromone traps were placed throughout the state in the annual effort to detect the presence of this damaging insect pest. Traps were placed in approximately 102/114 counties. Primary trapping agencies were Missouri Departments of Agriculture and Conservation, University of Missouri-IPM (coop agreement with USDA-APHIS-PPQ), with additional trapping conducted by, USDA-APHIS, U.S. Department of Defense (Whiteman AFB, Ft. Leonard Wood), and Missouri National Guard.

Discussion

The overall results of the 2002 survey are consistent with recent surveys (Table 1). The major activity continues to be found in the primary metropolitan areas of the state. This year marks the first year since 1991 that no moths were taken from Taney or Stone Counties in Southwest Missouri. Gypsy moth activity in some of our neighboring states to the north and east (particularly Illinois, Iowa, and Wisconsin) has increased in recent years and continues to be a primary concern. We should continue to monitor our situation in a manner consistent with our current approach.

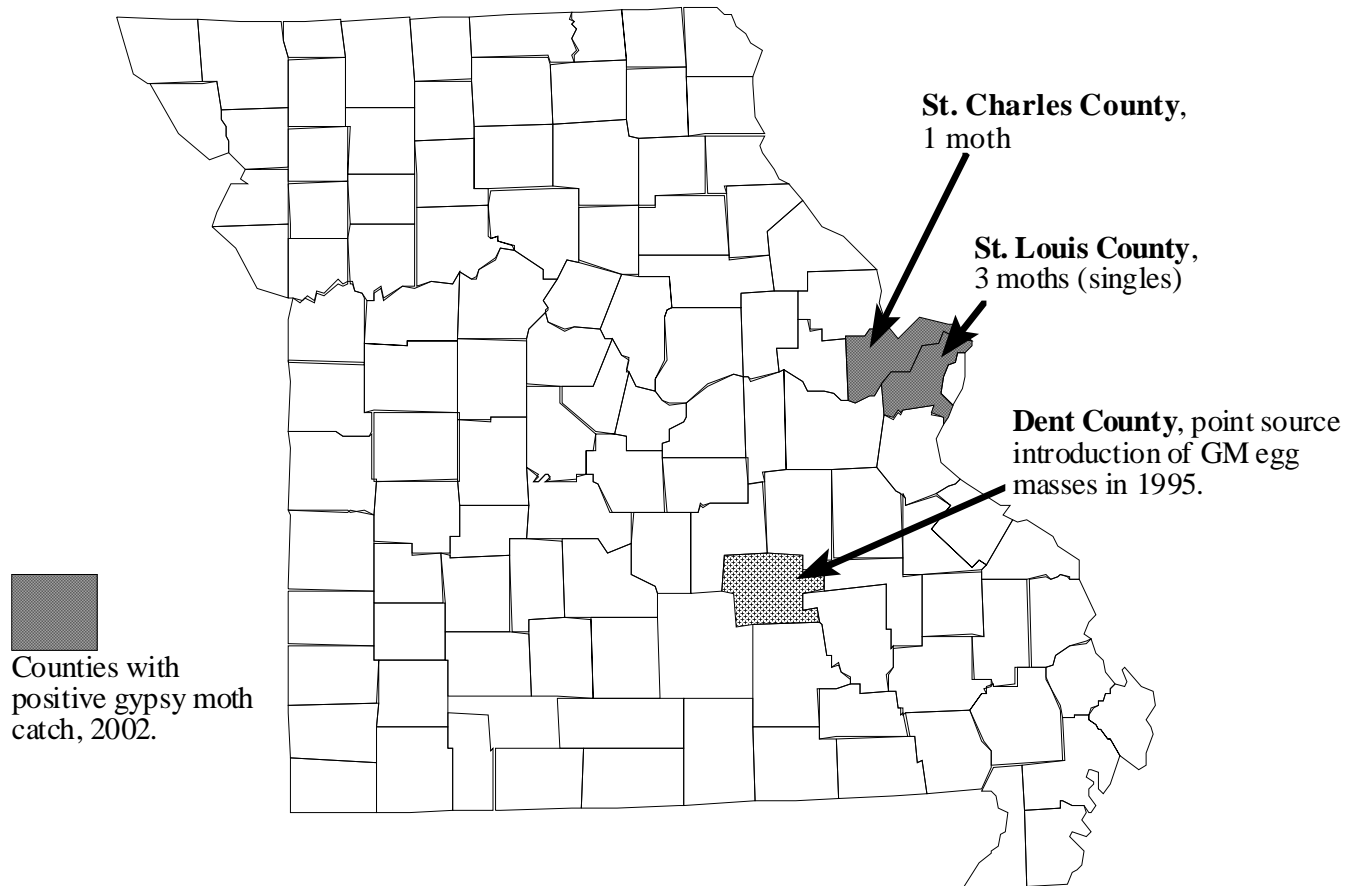
2002 Summary of Gypsy Moth Positives

St. Charles Co.	1 positive trap	1 moth
St. Louis Co.	3 positive traps	3 moths
2 counties	4 positive traps	4 moths

Table 1.
Summary of Missouri Gypsy Moth Survey Program, 1967-2001

Year	# Traps used in survey	Area surveyed	# Multiple catches	Total number of moths taken
1967-1973	??	Limited statewide	0	0
1974	??	Limited statewide	0	1
1976-1979	??	Limited statewide	0	0
1980	??	Limited statewide	0	3
1981	3,500	1/3 of state	1	9
1982	4,200	1/3 of state	1	14
1983	5,700	1/3 of state	1	11
1984	6,000	1/3 of state	1	13
1985	5,152	½ of state	2	22
1986	6,900	½ of state	0	8
1987	7,320	½ of state	0	5
1988	7,600	½ of state	2	11
1989	7,515	86/114 counties	2	11
1990	7,432	61/114 counties	0	8
1991	6,819	65/114 counties	3	35
1992	8,721	67/114 counties	7	33
1993	9,032	48/114 counties	7	62
1994	13,000	97/114 counties	5	40
1995	12,500	85/114 counties	2	26
1996**	11,500	114/114 counties	0	6
1997	10,500	108/114 counties	2	13
1998	10,500	108/114 counties	2	17
1999	12,200	99/114 counties	1	13
2000	11,000	100/114 counties	2	12
2001	12,000	109/114 counties	1	6
2002	11,400	102/114 counties	0	4
**Entire state surveyed			Total # moths taken in 35 years	383

2002 Missouri Gypsy Moth Survey Results



Positive moth sites as of 10/02.
Four moths taken in survey from 2 counties.
Approx. 11,400 traps utilized. (102/114 counties surveyed)

Figure 1. 2002 Positive Gypsy Moth Locations.